

FIG. 1

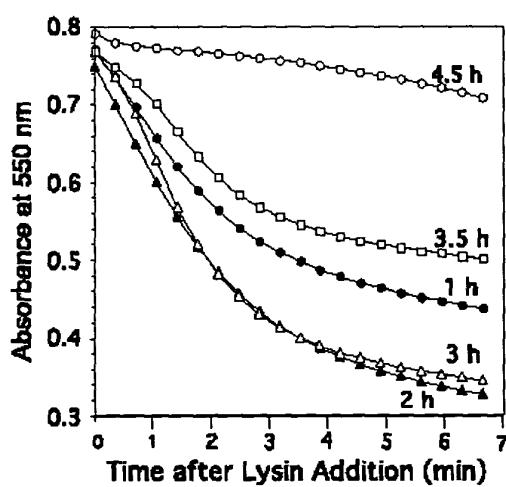


FIG. 2A

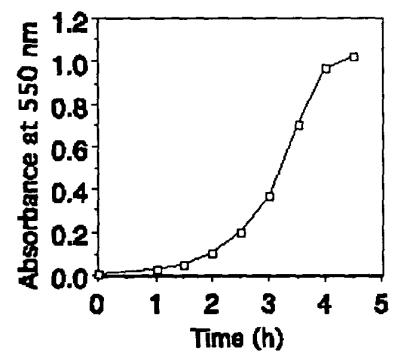


FIG. 2B

group C	phage	lysin	MATYQYKSR	SNGNAYDIDG	SLGAQCWDGY	ADYCKYLGLP	YANCTNTGYA	50
group A	phage	lysin	MATYQYKSR	SNGNAYDIDG	SLGAQCWDGY	ADYCKYLGLP	YANCTNTGYA	
group B	phage	lysin	MATYQYKSR	SNGNAYDIDG	SFGAQCWDGY	ADYCKYLGLP	YANCTNTGYA	
1								
group C	phage	lysin	RDIWEQRHKN	GILNYFDEVE	TMQAGDVAIF	MVVAGVTPYS	HVAIFDSDAG	100
group A	phage	lysin	KDIWEQRHKN	GILNYFDEVE	TMQAGDVAIF	MVVAGVTPYS	HVAIFDSDAG	
group B	phage	lysin	RDIWEQRHEN	GILNYFDEVE	VMQAGDVAIF	MVVDGVTPYS	HVAIFDSDAG	
51								
group C	phage	lysin	SGYGWFLGQN	QGGANGAYNL	VKIPISTTYP	TAFRPKVFKN	AVTVIGNIGL	150
group A	phage	lysin	SGYGWFLGQN	QGGANGAYNL	VKIPISTTYP	TAFRPKVFKN	AVTVIGNIGL	
group B	phage	lysin	GGYGWFLGQN	QGGANGAYNL	VKIPISATYP	TAFRPKSFKN	AVTVTDNTGL	
101								
group C	phage	lysin	NKGDYFIDVS	AYQQADLTAT	CQAGTTKTI	IKVSESLAWL	SDRHQQQANT	200
group A	phage	lysin	NKGDYFIDVS	AYQQADLTAT	CQAGTTKTI	IKVSESLAWL	SDRHQQQANT	
group B	phage	lysin	NKGDYFIDVS	AYQQADLTAT	CQAGTTKTI	IKVSESLAWL	SDRHQQQANT	
151								
group C	phage	lysin	SDPIGYHHFG	RFGGDSNLAQ	RVADLFSLNL	PTKKVSYLVI	DYEDSASADK	250
group A	phage	lysin	SDPIGYHHFG	RFGGDSNLAQ	READLFSLNL	PTKKVSYLVI	DYEDSASADK	
group B	phage	lysin	SDPIGYHHFG	RFGGDSALAQ	READLFSLNL	PSKKVSYLVI	DYEDSASADK	
201								
group C	phage	lysin	EANTKAVIAF	MDKIANAGYK	PVYYSYKPFT	LNNIDYQQII	AKYPNSIWIA	300
group A	phage	lysin	EANTNAVIAF	MDKIANAGYK	PVYYSYKPFT	LNNIDYQQII	AKYPNSIWIA	
group B	phage	lysin	QANTNAVIAF	MDKIASAGYK	PIYYSYKPFT	LNNIDYQKII	AKYPNSIWIA	
251								
group C	phage	lysin	GYPDYEVRTE	PLWEFFPSMD	GVRWWQFTSV	GVAGGLDKNI	VLLADDSSKV	350
group A	phage	lysin	GYPDYEVRTE	PLWEFFPSMD	GVRWWQFTSV	GVAGGLDKNI	VLLADDSSKV	
group B	phage	lysin	GYPDYEVRTE	PLWEFFPSMD	GVRWWQFTSV	GVAGGLDKNI	VLLADDSSKM	
301								
group C	phage	lysin	DIPKIDKPQS	QLTFNQKLDI	NTKLDNSNVP	YYEATLSTDY	YVESKPNASS	400
group A	phage	lysin	DIPKIDKPQS	QLTFNQKLDI	NTKLDNSNVP	YYEATLRTDY	YVESKPNASS	
group B	phage	lysin	DIPKVDKPQ.	ELTFYQKLAT	NTKLDNSNVP	YYEATLSTDY	YVESKPNASS	
351								

	401		444
group C phage	lysin ADKEFIKAGT RVRVEKVG WSRINASQSD QWEDKYLNS ATQV		
group A phage	lysin ADKEFIKAGT RVRVEKVG WSRINASQSD QWEDKYLNS ATQV		
group B phage	lysin ADKEFIKAGT RVRVEKVG WSRINHPESA QWEDNYLVN ATDM		

FIG. 3

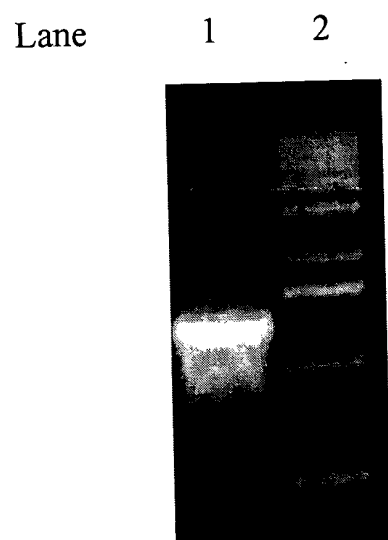


FIG. 4

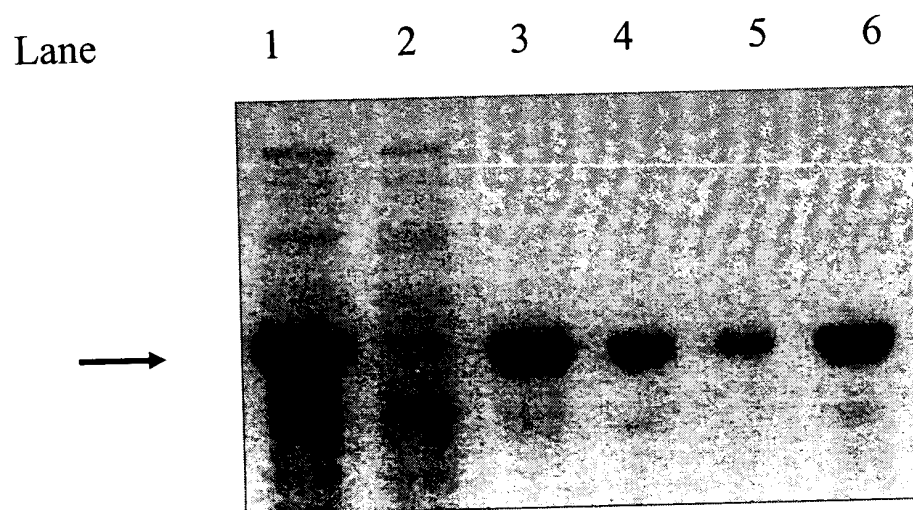


FIG. 5

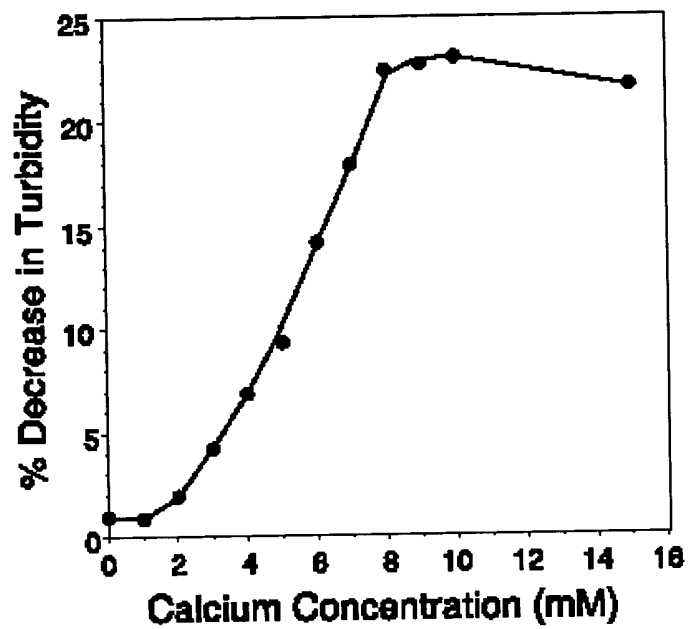


FIG. 6

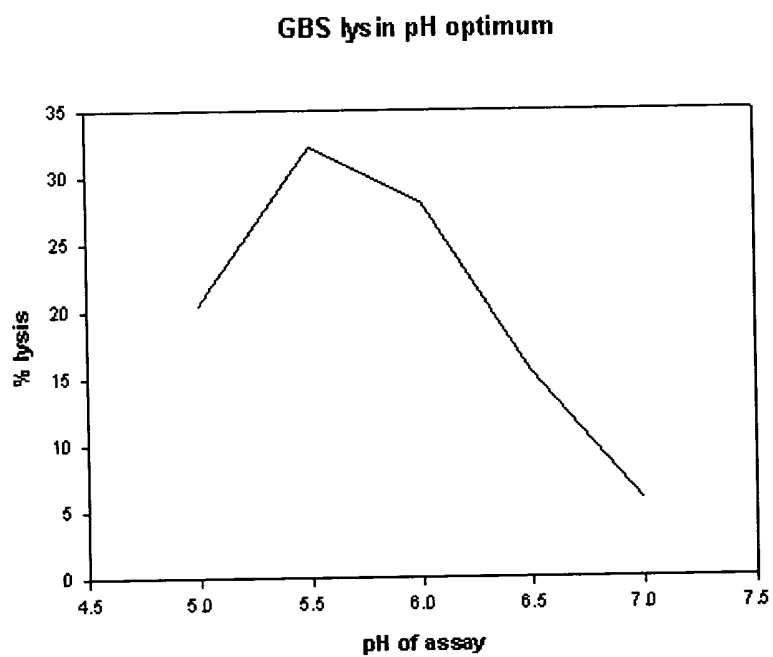


FIG. 7